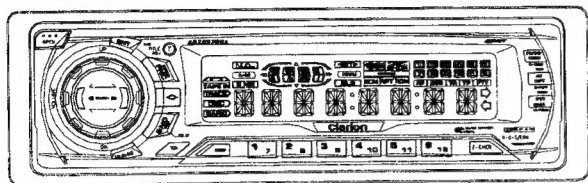


# Service Manual

**NET**



**RDS-EON/FM-MPX/MW/LW Radio  
 Cassette Combination With  
 CD/MD Changer Control**

**Model ARX6570Rz**  
 (PE-1651E-B)

## SPECIFICATIONS

### Radio section

Tuning system: PLL synthesizer tuner  
 Receiving frequencies: FM 87.5MHz to 108MHz  
 (0.05MHz steps)  
 MW 531kHz to 1602kHz  
 (9kHz steps)  
 LW 153kHz to 279kHz  
 (3kHz steps)

### Tape deck section

Cassette type: Compact audio cassette  
 Wow & flutter: 0.06%(WRMS)  
 Frequency response: 30Hz to 20kHz(Metal)  
 Signal to noise ratio: Metal:58dB  
 Dolby B NR:67dB

### General

Max. power output: 4 × 40W  
 Power supply voltage: 14VDC(10.8 to 15.6V allowable),  
 negative ground  
 Power consumption: Less than 15A  
 Speaker impedance: 4 Ω (4 Ω to 8 Ω allowable)  
 Auto antenna rated current:  
 500mA or less  
 Weight: Main unit 1.7kg  
 Remote control unit  
 30g(including battery)  
 Dimensions(mm): Main unit  
 178(W) × 50(H) × 155(D)  
 Remote control unit  
 44(W) × 110(H) × 27(D)

※Dolby noise reduction manufactured under license  
 from Dolby Laboratories Licensing Corporation.

※"DOLBY" and the double-D symbol are trademarks  
 of Dolby Laboratories Licensing Corporation.  
 ※Specifications and design are subject to change  
 without notice for further improvement.

## NOTE

※We cannot supply PWB with component parts in  
 principle. When a circuit on PWB has failure, please  
 repair it by component parts base. Parts which are  
 not mentioned in service manual are not supplied.

## COMPONENTS

### PE-1651E-B

Main unit		1
Remote controller	RCB-130-700	1
Battery(SUM-3)		2
Mounting bracket	300-7745-00	1
DCP case	335-6035-02	1
Escutcheon(OUT-ES)	370-5774-00	1
Parts bag		
Removal tool	331-2548-00	2
Cord clamp	335-0833-01	1
Rubber cap	345-3653-01	1
Screw	716-0726-01	1
A-lead(for cellular phone)	850-6681-00	1

## FEATURES

- 1.Rotary Encoder Control with Illuminated Search Key
- 2.Fully Detachable Flip Down Control Panel
- 3.RDS-Pro Receiver with EON, PS, AF, TATP, PTY, REG and CT
- 4.Full Logic Cassette Deck with Dolby® B Noise Reduction
- 5.High Power 4×40W Max./4 Gold Plate RCA Line Level Output
- 6.Controller for MD and CD Changer

## ■ To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

### 1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

### 2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc., is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection. If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

### 3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

### 4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

### 5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

### 6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

### 7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

## ■ NOTES OF ISO CONNECTOR

1. For VW and Audi vehicles, change the position of fuse installation as shown on the diagram. (Figure 1)

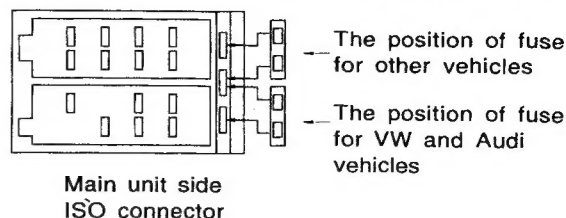


Figure 1

2. The lead include with the unit must be connected to the specified position of the vehicle's ISO connector in order to use the "triggered audio mute for cellular telephones" function. (Figure 2)

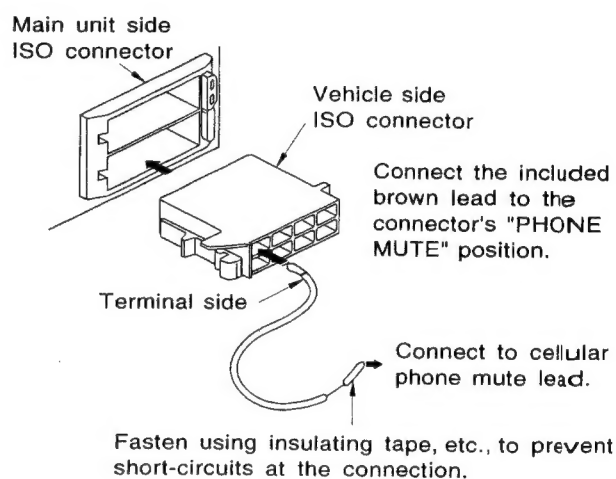


Figure 2

## ■ TROUBLESHOOTING

	Problem	Cause	Measure
General	Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	No sound output when operating the unit with amplifiers or power antenna attached.	Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.	<ol style="list-style-type: none"> <li>1. Turn the unit off.</li> <li>2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter.</li> <li>3. Turn the unit back on.</li> <li>4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage (excessive current required).</li> </ol>
	Nothing happens when buttons are pressed.  Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press OPEN button and remove the DCP. Press the reset button for about 2 seconds with a thin rod. <div data-bbox="1034 801 1209 967" data-label="Image"> </div>
Tape	Sound quality is poor.	DCP or main unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
		Playback head is dirty.	Use a cleaning tape, etc., to clean the head.
		Dolby NR button is not pressed.	When listening to a tape recorded with Dolby NR, press Dolby NR button and select B NR.

## ■ ERROR DISPLAYS

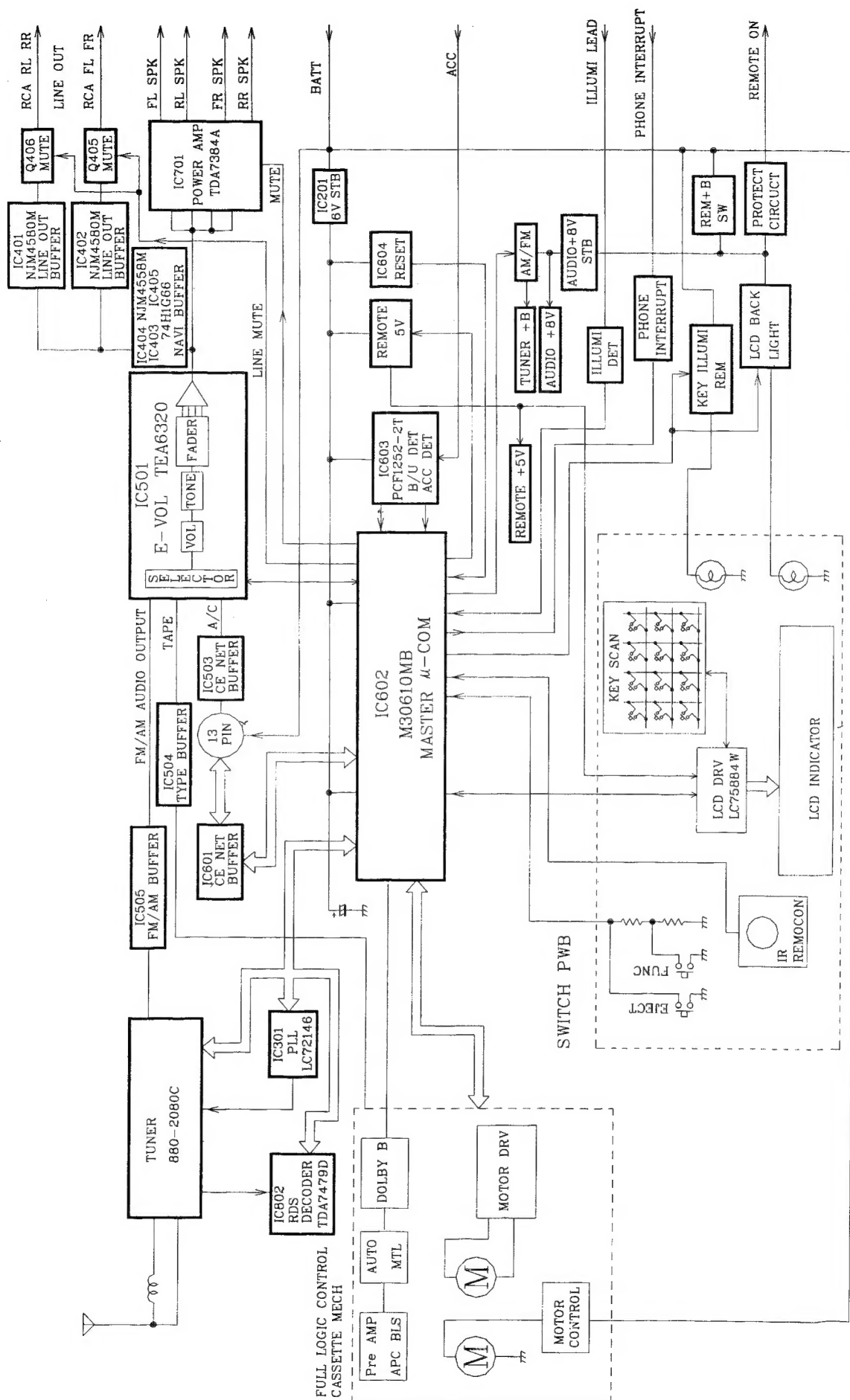
If an error occurs, one of the following displays is displayed.

Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
Tape	ERROR 1	Tape cannot be played due to defective tape such as cut tape.	Eject the tape then replace it with a new one.
	ERROR 2	Tape is caught and cannot be played.	Remove the caught or wound tape.
	ERROR 4	Tape mode cannot be detected.	This is a failure of tape mechanism and consult your store of purchase.
	ERROR 8	Tape is caught and cannot be ejected.	Eliminate the reason for which the tape is caught.
CD changer	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism and consult your store of purchase.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD changer	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism and consult your store of purchase.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

## ■ BLOCK DIAGRAM



## ■ EXPLANATION OF IC:

■ M30620MC-320FP 052-3905-00 MASTER MICRO COMPUTER

### 1. Outward Form : 100 pins QFP

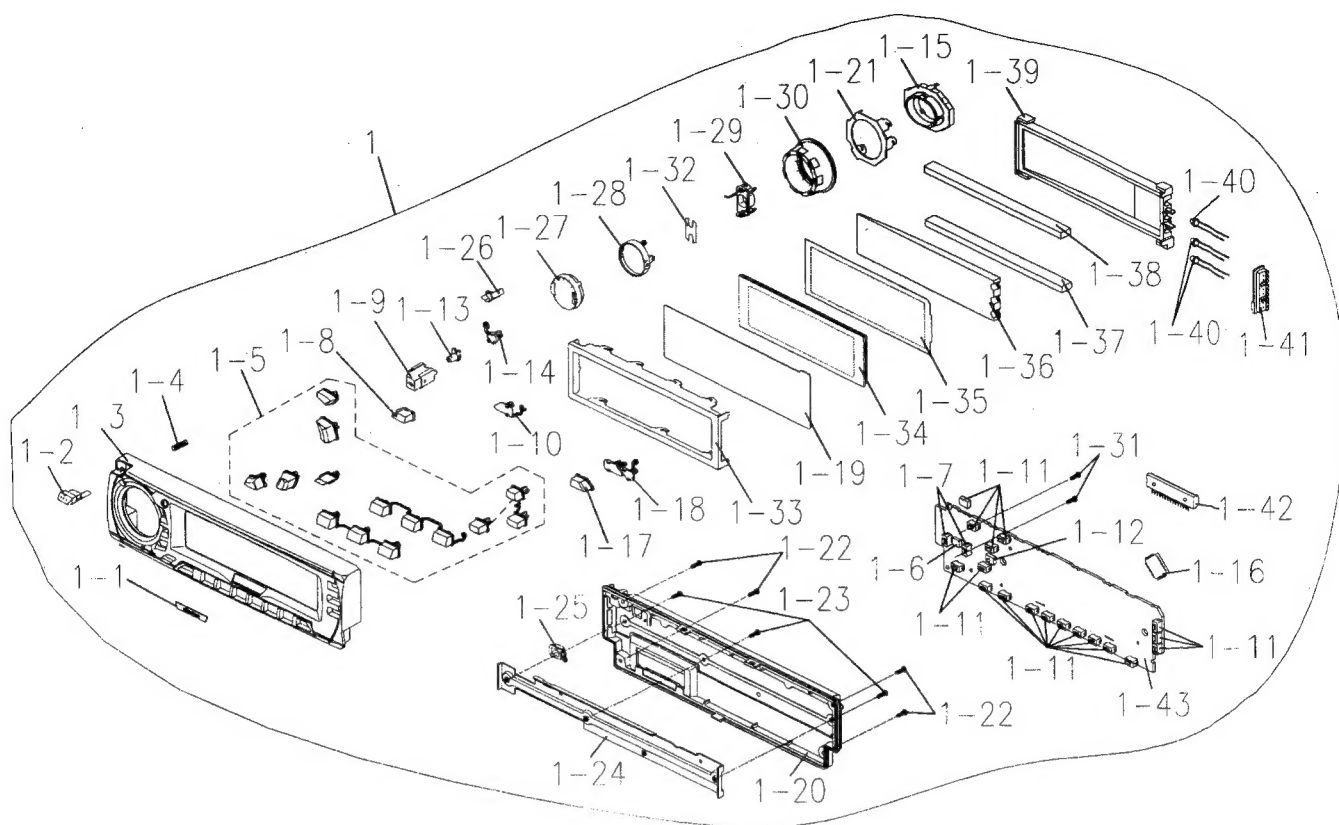
#### 2. Terminal Description

pin 1 : S STOP : IN : PLL IC S STOP  
pin 2 : IN LOCK : IN : PLL IC IN LOCK PIN  
pin 3 : NC : IN : GND  
pin 4 : REMOCON : IN : IR REMOCON input.  
pin 5 : APC SENS : IN : Outputs switching signal for APC circuit sensitivity outputs Hi in FF/REW  
pin 6 : NC : IN : NC  
pin 7 : RDS CLK : IN : RDS output terminal for discharging the voltage detected by RDS NOISE.  
pin 8 : BYTE : IN : Input terminal of DATE detection switch, "L"=16 BIT, "H"=8 BIT.  
pin 9 : GND : — : GND  
pin 10 : XC IN : IN : Connecting terminal for oscillating crystal for 32.768K.  
pin 11 : XC OUT : O : Connecting terminal for oscillating crystal for 32.768K.  
pin 12 : RESET : IN : Micro computer will stop by turning this terminal to "LOW".  
pin 13 : X OUT : O : Connecting terminal for oscillating crystal for main system clock CSTCC IOMG  
pin 14 : VSS : — : GND  
pin 15 : X IN : IN : Connecting terminal for oscillating crystal for main system clock CSTCC IOMG  
pin 16 : VCC : — : Outputs signal for 5V power supply.  
pin 17 : NC : IN : GND  
pin 18 : ACC DET : IN : ON/OFF detection terminal for ACC power supply.  
pin 19 : B/U DET : IN : When this terminal turns low, micro computer detects the B/U OFF and turns micro computer to STOP mode, stopping oscillation.  
pin 20 : KEY INT : IN : KEY insertion input terminal low when EJECT KEY or FNC (POWER) KEY pushed when this terminal turns low, KEY A/D terminal detects the KEY pushed.  
pin 21 : 29PIN CONNECT : IN : Micro computer to 29PIN terminal.  
pin 22 : NC : IN : GND  
pin 23 : NC : IN : GND  
pin 24 : BEEP : O : BEEP output terminal.  
pin 25 : AUTO ANT : O : Outputs terminal for motor antenna signal Output "H" in RADIO mode.  
pin 26 : DIMMER : O : With dimmer ON: "H" With dimmer OFF: "L"  
pin 27 : NC : IN : GND  
pin 28 : LCD CE : O : Serial data communication line with driver.  
pin 29 : IE BUS RX : IN : IE BUS data communication line.  
pin 30 : IE BUS TX : O : IE BUS data communication line.  
pin 31 : LCD DO : O : Serial data communication line with driver.  
pin 32 : LCD DI : IN : Serial data communication line with driver.  
pin 33 : LCD CLK : O : Serial data communication line with driver.  
pin 34 : PLL CE : O : PLL IC control line.  
pin 35 : PLL DO : O : PLL IC control line.  
pin 36 : PLL DI : IN : PLL IC control line.  
pin 37 : PLL SCK : O : PLL IC control line.  
pin 38 : FM-ST : IN : Detecting terminal for FM stereo indicator.  
pin 39 : NC : O : NC  
pin 40 : NC : O : NC  
pin 41 : LCD CONT : O : LCD CONT signal output terminal.  
pin 42 : INT1 : IN : Initial setting for "H"=BLINK LED.  
pin 43 : INT2 : IN : Initial setting for "H"=POWER ANT.  
pin 44 : VOL CLK : O : Serial data communication line to electronic volume IC.  
pin 45 : VOL DO : O : Serial data communication line to electronic volume IC.  
pin 46 : TONE PASS : O : Tone bypass terminal.  
pin 47 : CATS LED : O : BLINKING LED  
pin 48 : DOLBY ON : O : Outputs QOLBY ON signal "H"=ON.  
pin 49 : NC : O : GND  
pin 50 : P1 : O : Power motor control.  
pin 51 : P2 : O : Power motor control.  
pin 52 : FWD/REV : O : Outputs signal for forward/reverse switching.  
pin 53 : NC : O : NC  
pin 54 : APC DET : IN : Sensitivity selection terminal for pre-amplifier head searching circuit capc. This terminal detects music/no-music.  
pin 55 : TAPE IN : IN : Inputs detection signal for tape loading start.  
pin 56 : BIT 2 : IN : Input terminal for mechanism mode detection switch. The switch is 3 bit rotary switch.  
pin 57 : BIT 1 : IN : Input terminal for mechanism mode detection switch. The switch is 3 bit rotary switch.  
pin 58 : BIT 3 : IN : Input terminal for mechanism mode detection switch. The switch is 3 bit rotary switch.

pin 59 : NC : O : NC  
pin 60 : REEL PULSE : IN : Reel pulse input.  
pin 61 : MAIN MOTOR : O : Outputs signal terminal for MECH MOTOR.  
pin 62 : VCC : — : VCC +5V output terminal.  
pin 63 : MECH ON : O : Outputs "H" when tape operation is necessary.  
pin 64 : VSS : — : GND  
pin 65 : NC : IN : GND  
pin 66 : NC : IN : GND  
pin 67 : NC : IN : GND  
pin 68 : NC : IN : GND  
pin 69 : NC : IN : GND  
pin 70 : NC : IN : GND  
pin 71 : NAV1 MUTE : O : NAV1 MUTE control "H"=MUTE.  
pin 72 : NC : IN : GND  
pin 73 : +5V REM : O : Outputs signal for 5V power ON around micro computer.  
pin 74 : +B REM : O : Outputs Hi by power ON, supplying +B (8V) power.  
pin 75 : AMP MUTE : O : Output terminal for AMP mute signal "L"=MUTE.  
pin 76 : SYS MUTE : O : Output terminal for system mute signal "L"=MUTE.  
pin 77 : LINE MUTE : O : Line output mute terminal.  
pin 78 : BUS IN/OUT : O : Audio IN/OUT control "H"=IN, "L"=OUT.  
pin 79 : SYS ACC : O : BUS ACC control.  
pin 80 : AMP REM DET : IN : REM voltage detection terminal.  
pin 81 : AMP REM OUT : O : Outputs Hi by REM power ON.  
pin 82 : AUTO ANT : O : MOTOR ANT control terminal.  
pin 83 : PHONE INT : IN : Input terminal for phone interrupt/cellular.  
pin 84 : JOG CCW : IN : Rotary VR volume input terminal.  
pin 85 : JOG CW : IN : Rotary VR volume input terminal.  
pin 86 : FM SD : IN : Detection terminal for FM SD judges SD ON by Hi.  
pin 87 : AM SD : IN : Detection terminal for AM SD judges SD ON by Hi.  
pin 88 : RDS DATA : IN : Inputs data from RDS detector.  
pin 89 : RDS DISCG : O : RDS output terminal for discharging the voltage detected by RDS NOISE.  
pin 90 : RDS MUTE : O : RDS output terminal for noise reduction during follow-up motion.  
pin 91 : S-METER : IN : RDS S-METER voltage detection.  
pin 92 : RDS NOISE1 : IN : RDS noise detection.  
pin 93 : RDS NOISE2 : IN : RDS noise detection.  
pin 94 : ILL DET : O : Illumination signal detection terminal.  
pin 95 : NC : IN : GND  
pin 96 : AVSS : — : GND  
pin 97 : KEY A/D : IN : Terminal for A/D convert connect GND detect DCP/FNC/EJE KEY  
pin 98 : VREF : — : Standard voltage input terminal for A/D convert. ACC 5V  
pin 99 : AVCC : — : B/U 5V power supply terminal for A/D converter.  
pin 100 : NC : IN : GND.

# EXPLODED VIEW • PARTS LIST:

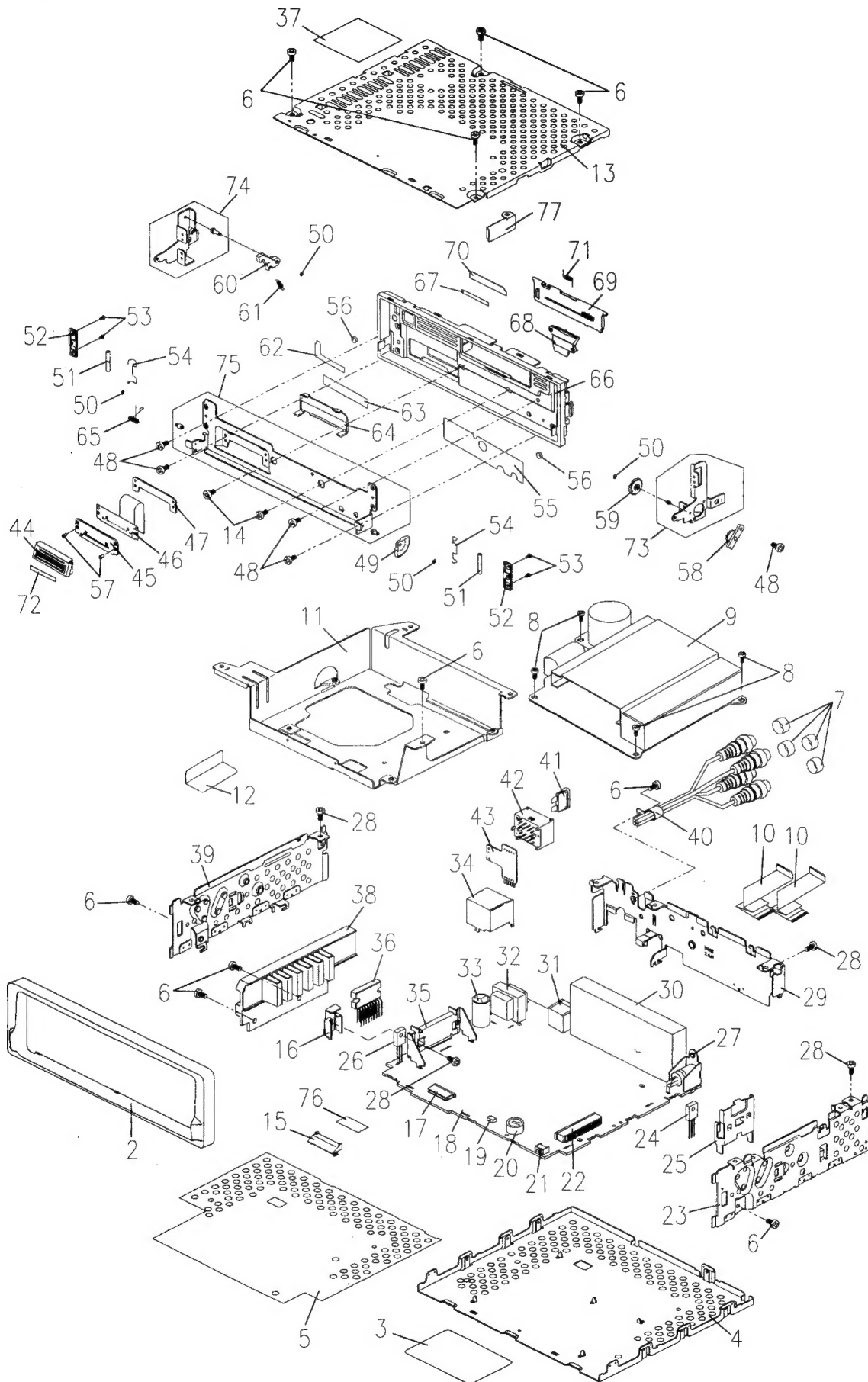
DCP Section



NO.	PARTS NO.	DESCRIPTION	QTY
1	DCP-160-700	DCP ASSY	1
1-1	378-0515-00	BADGE(CL)	1
1-2	382-5152-00	BUTTON	1
1-3	370-5770-11	ESCUTCHEON	1
1-4	750-3339-10	SPRING	1
1-5	947-0489-02	BUTTON ASSY	1
1-6	001-7040-90	DIODE	1
1-7	013-6302-50	SWITCH	2
1-8	382-5150-00	BUTTON	1
1-9	335-5833-00	IR-FILTER	1
1-10	335-5835-00	BUTTON HOLDER	1
1-11	013-6504-50	TACT SWITCH	18
1-12	060-4008-00	IR-RECEIVE	1
1-13	382-5155-00	BUTTON	1
1-14	335-5834-00	BUTTON HOLDER	1
1-15	013-8001-00	JOG ROTARY SW	1
1-16	051-6037-00	IC	1
1-17	382-5145-00	BUTTON	1
1-18	335-5832-00	BUTTON HOLDER	1
1-19	373-0908-10	DIAL-CVR	1
1-20	335-5860-00	REAR-CVR	1
1-21	331-2538-00	JOG-SW-HOLDER	1
1-22	716-0872-12	PAD SCREW	4

NO.	PARTS NO.	DESCRIPTION	QTY
1-23	738-2035-17	PRECISION	3
1-24	331-2554-00	REAR-CVR PLATE	1
1-25	382-5172-00	BUTTON	1
1-26	335-5836-01	DUMMY BUTTON	1
1-27	382-5159-00	BUTTON	1
1-28	335-5841-00	BUTTON HOLDER	1
1-29	335-5842-00	BASE PLATE	1
1-30	380-5437-00	JOG DIAL	1
1-31	716-0872-01	PAD SCREW	2
1-32	347-5951-10	REFLECTOR	1
1-33	331-2522-10	LCD-CVR	1
1-34	379-1148-41	INDICATOR	1
1-35	347-5911-10	CCS-FILM	1
1-36	335-5850-00	ILLUMI PLATE	1
1-37	345-8256-00	RUBBER CAP	1
1-38	345-8261-10	RUBBER-CONNECT	1
1-39	335-5851-00	LCD HOLDER	1
1-40	001-7030-00	DIODE	3
1-41	335-5852-00	LED HOLDER	1
1-42	076-0535-01	PLUG	1
1-43	039-1393-00	SWITCH PWB (WITHOUT COMPONENT)	1

# Main Section





NO.	PARTS NO.	DESCRIPTION	QTY
2	370-5774-00	ESCUTCHEON(OUT)	1
3	286-9204-00	SETPLATE	1
4	304-0462-00	LOWER-CVR	1
5	347-5918-10	INSULATOR	1
6	731-3006-80	TAPTIGHT	10
7	345-3799-00	RUBBER CAP	4
8	714-2605-81	MACHINE SCREW	4
9	930-0798-81	TAPE-MECH	1
10	816-2478-80	FLAT WIRE	1
11	331-2546-00	MECH BRKT	1
12	347-5913-10	SPACER	1
13	303-0473-00	UPPER-CVR	1
14	780-2004-01	SCREW	2
15	335-6020-00	CN-CVR	1
16	313-1745-00	HEAT SINK	1
17	074-1198-68	OUTLET SCOKET	1
18	039-1392-00	MAIN PWB (WITHOUT COMPONENT)	1
19	001-7011-92	DIODE	1
20	042-0576-00	DOUBLE-LAYER-C	1
21	013-6100-00	SWITCH	1
22	074-0986-22	OUTLET SOCKET	1
23	305-0277-00	SIDE-CVR	1
24	101-1143-00	TRANSISTOR	1
25	313-1747-00	HEAT SINK	1
26	102-3420-00	TRANSISTOR	1
27	092-9000-41	ANT-RECEPT	1
28	714-3006-81	MACHINE SCREW	4
29	307-0617-00	REAR-CVR	1
30	880-2080C	TUNER	1
31	074-1194-00	OUTLET SOCKET	1
32	009-9006-80	CHOKE	1
33	042-0447-00	ALUMI-ELE-C	1
34	331-2549-00	SHIELD CASE	1
35	331-2547-00	IC-HOLDER	1
36	051-2029-00	IC	1
37	291-0083-00	STICKER	1
38	313-1746-00	HEAT SINK	1
39	305-0276-00	SIDE-CVR	1
40	855-5427-80	RCA PIN CORD	1

NO.	PARTS NO.	DESCRIPTION	QTY
41	060-0057-57	AUTO FUSE (15A)	1
42	074-1115-00	OUTLET SOCKET	1
43	039-0887-00	ISO PWB (WITHOUT COMPONENT)	1
44	074-1145-01	OUTLET SOCKET	1
45	039-1306-00	DCP PWB (WITHOUT COMPONENT)	1
46	039-1328-01	FPC (WITHOUT COMPONENT)	1
47	347-5935-10	SPACER	1
48	780-2004-01	SCREW	5
49	613-0686-00	FAN GEAR	1
50	746-0761-00	WASHER	4
51	341-1704-00	ROLLER	2
52	335-5848-00	SPRING HOLDER	2
53	738-1722-17	PRECISION SCREW	4
54	750-3327-01	SPRING(SIDE)	2
55	290-7676-10	LABEL	1
56	345-8265-11	CUSHION	2
57	781-1735-00	SCREW	2
58	613-0687-00	GEAR DAMPER	1
59	613-0685-00	GEAR	1
60	335-5847-00	HOOK	1
61	750-3341-10	SPRING(HOOK)	1
62	347-5941-10	HEAT PROTECT	1
63	347-5919-10	SURGE PROTECT	1
64	335-5849-00	CN-CVR	1
65	750-3342-00	SPRING(OPEN)	1
66	370-5776-00	INNER-ES	1
67	347-5923-10	DOUBLE FACE	1
68	335-5846-00	ILLUMI PLATE	1
69	320-0562-00	DUSTPROOF-CVR	1
70	347-5922-10	COVER FILM	1
71	750-3343-00	SPRING	1
72	347-6037-10	SPACER FILM	1
73	946-0075-01	ARM-R-ASSY	1
74	946-0074-01	ARM-L-ASSY	1
75	946-0073-00	HOLDER-ASSY	1
76	347-6010-10	SPACER	1
77	331-2744-00	STOPPER	1

# ■ ELECTRICAL PARTS LIST:

## Main PWB (B2) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
IC 201	051-3250-00	LG6GCZ	Q 603	102-2712-00	2SC2712	L 701	009-9006-80	CHOKE
IC 202	051-5416-08	NJM2103M	Q 801	125-2031-02	MNU2211T1	L 801	010-2230-35	120 $\mu$ H
IC 301	051-6201-00	LC72146M	Q 901	103-1802-60	2SD1802FA	L 901	010-2230-26	22 $\mu$ H
IC 401	051-3015-00	NJM4580M	Q 902	125-0024-02	MNU2111T1	X 301	061-1066-00	7.2 MHz
IC 402	051-3015-00	NJM4580M	Q 903	125-2031-02	MNU2211T1	X 601	060-1505-50	4.5MHz
IC 403	051-7248-08	74H1G68S	Q 905	101-1240-00	2SB1240	X 602	061-3506-90	32.768KHz
IC 404	051-0350-03	NJM4558M	Q 906	125-2004-06	RN1406	X 801	061-3013-00	4.332 MHz
IC 405	051-7248-08	74H1G68S	D 201	001-7011-02	CL-150YG-CD-T	C 101	176-1801-00	50V 18PF
IC 501	051-5015-00	TEA6320	D 202	001-0466-00	S5688B	C 102	176-4701-00	50V 47PF
IC 502	051-0350-03	NJM4558M	D 203	001-0466-00	S5688B	C 103	178-1032-78	25V 0.01 $\mu$ F
IC 503	051-3015-00	NJM4580M	D 204	001-0516-00	MA111	C 104	178-1032-78	25V 0.01 $\mu$ F
IC 504	051-3015-00	NJM4580M	D 205	001-0466-00	S5688B	C 105	183-1073-22	10V 100 $\mu$ F
IC 505	051-0350-03	NJM4558M	D 206	001-0516-00	MA111	C 107	178-1032-78	25V 0.01 $\mu$ F
IC 601	051-6600-08	CA0008AM	D 207	001-0466-00	S5688B	C 108	178-1032-78	25V 0.01 $\mu$ F
IC 602	052-3905-00	M30620MC	D 209	001-0516-00	MA111	C 109	178-1022-78	50V 1000PF
IC 603	051-5415-08	MC3346N-27ATR	D 210	001-0516-00	MA111	C 110	176-1011-00	50V 100PF
IC 701	051-2029-00	TDA7384	D 211	001-0377-11	MA4030M	C 111	163-1053-60	50V 1 $\mu$ F
IC 801	051-0350-03	NJM4558M	D 401	001-0516-00	MA111	C 112	178-1522-78	50V 1500PF
IC 802	051-1819-00	TDA7479D	D 402	001-0516-00	MA111	C 113	178-4732-78	25V 0.047 $\mu$ F
Q 101	103-1306-00	2SD1306	D 403	001-0516-00	MA111	C 115	183-1073-22	10V 100 $\mu$ F
Q 102	125-0024-03	MNU2112T1	D 404	001-0516-00	MA111	C 116	178-1022-78	50V 1000PF
Q 103	100-1162-00	2SA1162	D 405	001-0528-44	MA8082M	C 131	178-1032-78	25V 0.01 $\mu$ F
Q 104	100-1162-00	2SA1162	D 501	001-0516-00	MA111	C 132	178-1032-78	25V 0.01 $\mu$ F
Q 201	102-2712-00	2SC2712	D 502	001-0516-00	MA111	C 199	178-1022-78	50V 1000PF
Q 202	100-1162-00	2SA1162	D 503	001-0503-46	HZ9B2L	C 201	178-1032-78	25V 0.01 $\mu$ F
Q 203	125-2031-03	MNU2212T1	D 601	001-0377-66	MA4160M	C 202	178-1042-78	25V 0.1 $\mu$ F
Q 204	101-1143-00	2SB1143	D 602	001-0659-00	SLP-181B-51	C 203	172-1031-10	50V 0.01 $\mu$ F
Q 205	101-1237-00	2SB1237	D 603	001-0516-00	MA111	C 205	172-4731-10	50V 0.047 $\mu$ F
Q 206	100-1162-00	2SA1162	D 604	001-0377-66	MA4160M	C 206	178-2232-78	25V 0.022 $\mu$ F
Q 207	102-2712-00	2SC2712	D 609	001-0377-47	MA4091M	C 207	042-0505-81	10V 22 $\mu$ F
Q 208	125-2031-03	MNU2212T1	D 701	001-0466-00	S5688B	C 208	163-1053-60	50V 1 $\mu$ F
Q 209	101-1243-00	2SB1243	D 702	001-0466-00	S5688B	C 211	163-1063-30	16V 10 $\mu$ F
Q 210	125-2004-06	RN1406	D 703	001-0466-00	S5688B	C 213	178-1032-78	25V 0.01 $\mu$ F
Q 211	100-1298-00	2SA1298	D 704	001-0466-00	S5688B	C 220	178-2232-78	25V 0.022 $\mu$ F
Q 212	125-2004-06	RN1406	D 705	001-0466-00	S5688B	C 221	163-4753-50	35V 4.7 $\mu$ F
Q 213	100-1298-00	2SA1298	D 706	001-0466-00	S5688B	C 231	178-1032-78	25V 0.01 $\mu$ F
Q 214	100-1162-00	2SA1162	D 707	001-0466-00	S5688B	C 232	178-2232-78	25V 0.022 $\mu$ F
Q 215	102-2712-00	2SC2712	D 708	001-0466-00	S5688B	C 233	176-1011-00	50V 100PF
Q 216	102-2712-00	2SC2712	D 709	001-0592-00	RM4Z	C 248	178-1042-78	25V 0.1 $\mu$ F
Q 301	108-0669-00	2SK669	D 710	001-0466-00	S5688B	C 266	178-1032-78	25V 0.01 $\mu$ F
Q 302	125-2004-02	RN1402	D 711	001-0466-00	S5688B	C 301	178-8222-78	50V 8200PF
Q 401	125-2031-02	MNU2211T1	D 801	001-0516-00	MA111	C 302	178-1222-78	50V 1200PF
Q 402	125-2004-06	RN1406	D 802	001-0516-00	MA111	C 303	178-1042-78	25V 0.1 $\mu$ F
Q 403	125-0002-06	RN2406	D 901	001-0503-47	HZS9B3L	C 304	163-4743-60	50V 0.47 $\mu$ F
Q 404	102-2712-00	2SC2712	D 903	001-0466-00	S5688B	C 305	163-2253-60	50V 2.2 $\mu$ F
Q 405	125-4001-00	XN1504	L 101	010-2230-19	5.6 $\mu$ H	C 306	176-1011-00	50V 100PF
Q 406	125-4001-00	XN1504	L 102	010-2230-19	5.6 $\mu$ H	C 307	176-1011-00	50V 100PF
Q 501	102-3420-00	2SC3420GR	L 201	010-2230-19	5.6 $\mu$ H	C 308	176-1011-00	50V 100PF
Q 502	108-0241-50	2SK241	L 203	010-2230-14	2.2 $\mu$ H	C 309	176-1011-00	50V 100PF
Q 503	102-2712-00	2SC2712	L 204	010-2230-10	1 $\mu$ H	C 310	183-4763-12	6.3V 47 $\mu$ F
Q 601	125-2031-02	MNU2211T1	L 301	010-2230-35	120 $\mu$ H	C 311	176-1201-00	50V 12PF
Q 602	125-2031-03	MNU2212T1	L 604	010-2230-26	22 $\mu$ H	C 312	176-1201-00	50V 12PF

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C 401	163-2263-30	16V 22 $\mu$ F	C 533	163-1063-30	16V 10 $\mu$ F	R 105	117-1021-10	1/10W 1K $\Omega$
C 402	163-1063-30	16V 10 $\mu$ F	C 534	178-4732-78	25V 0.047 $\mu$ F	R 106	117-1231-10	1/10W 12K $\Omega$
C 403	163-2263-30	16V 22 $\mu$ F	C 535	178-4732-78	25V 0.047 $\mu$ F	R 107	117-8221-10	1/10W 8.2K $\Omega$
C 404	163-1063-30	16V 10 $\mu$ F	C 536	178-2232-78	25V 0.022 $\mu$ F	R 108	117-1021-10	1/10W 1K $\Omega$
C 405	176-1011-00	50V 100PF	C 537	178-2232-78	25V 0.022 $\mu$ F	R 109	117-2241-10	1/10W 220K $\Omega$
C 407	176-1011-00	50V 100PF	C 538	176-1201-00	50V 12PF	R 110	117-1031-10	1/10W 10K $\Omega$
C 408	163-1063-30	16V 10 $\mu$ F	C 539	163-1063-30	16V 10 $\mu$ F	R 112	117-1031-10	1/10W 10K $\Omega$
C 409	163-1063-30	16V 10 $\mu$ F	C 540	163-1063-30	16V 10 $\mu$ F	R 113	117-1031-10	1/10W 10K $\Omega$
C 410	163-1063-30	16V 10 $\mu$ F	C 541	163-1063-30	16V 10 $\mu$ F	R 114	117-4721-10	1/10W 4.7K $\Omega$
C 411	163-2263-30	16V 22 $\mu$ F	C 542	163-1063-30	16V 10 $\mu$ F	R 115	117-1031-10	1/10W 10K $\Omega$
C 412	163-1063-30	16V 10 $\mu$ F	C 543	176-1201-00	50V 12PF	R 116	117-5631-10	1/10W 56K $\Omega$
C 413	163-2263-30	16V 22 $\mu$ F	C 544	176-1201-00	50V 12PF	R 117	117-1031-10	1/10W 10K $\Omega$
C 414	163-1063-30	16V 10 $\mu$ F	C 545	176-1201-00	50V 12PF	R 118	117-1031-10	1/10W 10K $\Omega$
C 415	176-1011-00	50V 100PF	C 560	176-1011-00	50V 100PF	R 119	117-1521-10	1/10W 1.5K $\Omega$
C 417	176-1011-00	50V 100PF	C 601	178-1022-78	50V 1000PF	R 12	117-0000-00	1/10W 0 $\Omega$ JW
C 418	163-1063-30	16V 10 $\mu$ F	C 602	178-1022-78	50V 1000PF	R 120	117-1521-10	1/10W 1.5K $\Omega$
C 419	163-1063-30	16V 10 $\mu$ F	C 604	178-1032-78	25V 0.01 $\mu$ F	R 121	117-8201-10	1/10W 82 $\Omega$
C 420	163-1063-30	16V 10 $\mu$ F	C 605	163-2263-30	16V 22 $\mu$ F	R 200	111-1591-91	1/4WSS 1.5 $\Omega$
C 430	163-1063-30	16V 10 $\mu$ F	C 606	042-0576-00	5.5V 0.1F	R 201	117-1031-10	1/10W 10K $\Omega$
C 499	178-1032-78	25V 0.01 $\mu$ F	C 607	176-1801-00	50V 18PF	R 202	117-1031-10	1/10W 10K $\Omega$
C 501	163-2253-60	50V 2.2 $\mu$ F	C 608	176-1801-00	50V 18PF	R 203	111-1201-91	1/4WSS 12 $\Omega$
C 502	163-3343-60	50V 0.33 $\mu$ F	C 609	178-1042-78	25V 0.1 $\mu$ F	R 204	117-1221-10	1/10W 1.2K $\Omega$
C 503	163-2253-60	50V 2.2 $\mu$ F	C 610	163-1063-30	16V 10 $\mu$ F	R 205	117-1221-10	1/10W 1.2K $\Omega$
C 504	178-1822-78	50V 1800PF	C 611	178-1032-78	25V 0.01 $\mu$ F	R 206	117-1031-10	1/10W 10K $\Omega$
C 505	178-1822-78	50V 1800PF	C 701	163-1053-60	50V 1 $\mu$ F	R 207	117-3321-10	1/10W 3.3K $\Omega$
C 506	178-1032-78	25V 0.01 $\mu$ F	C 702	163-2243-60	50V 0.22 $\mu$ F	R 208	111-1591-91	1/4WSS 1.5 $\Omega$
C 507	178-1032-78	25V 0.01 $\mu$ F	C 703	163-2243-60	50V 0.22 $\mu$ F	R 210	117-3321-10	1/10W 3.3K $\Omega$
C 508	163-1063-30	16V 10 $\mu$ F	C 704	163-2243-60	50V 0.22 $\mu$ F	R 211	117-2231-10	1/10W 22K $\Omega$
C 509	163-1063-30	16V 10 $\mu$ F	C 705	163-2243-60	50V 0.22 $\mu$ F	R 212	111-1221-91	1/4WSS 1.2K $\Omega$
C 510	176-4711-00	50V 470PF	C 706	183-4763-32	16V 47 $\mu$ F	R 213	117-1031-10	1/10W 10K $\Omega$
C 511	176-4711-00	50V 470PF	C 707	178-4742-78	25V 0.47 $\mu$ F	R 214	111-1521-91	1/4WSS 1.5K $\Omega$
C 512	178-3322-78	50V 3300PF	C 708	163-4753-50	35V 4.7 $\mu$ F	R 215	117-1031-10	1/10W 10K $\Omega$
C 513	163-1053-60	50V 1 $\mu$ F	C 709	042-0447-00	16V 2200 $\mu$ F	R 216	117-3321-10	1/10W 3.3K $\Omega$
C 514	163-4753-50	35V 4.7 $\mu$ F	C 710	172-1041-10	50V 0.1 $\mu$ F	R 217	117-1031-10	1/10W 10K $\Omega$
C 515	163-4753-50	35V 4.7 $\mu$ F	C 801	178-2232-78	25V 0.022 $\mu$ F	R 218	117-3321-10	1/10W 3.3K $\Omega$
C 516	163-4753-50	35V 4.7 $\mu$ F	C 802	176-5611-00	50V 560PF	R 219	117-4731-10	1/10W 47K $\Omega$
C 517	163-4753-50	35V 4.7 $\mu$ F	C 803	176-5611-00	50V 560PF	R 220	117-4721-10	1/10W 15K $\Omega$
C 518	163-4753-50	35V 4.7 $\mu$ F	C 804	178-2232-78	25V 0.022 $\mu$ F	R 221	117-1031-10	1/10W 10K $\Omega$
C 519	163-4753-50	35V 4.7 $\mu$ F	C 805	178-1032-78	25V 0.01 $\mu$ F	R 222	117-4731-10	1/10W 470K $\Omega$
C 520	163-1053-60	50V 1 $\mu$ F	C 806	163-2253-60	50V 2.2 $\mu$ F	R 223	117-2231-10	1/10W 4.7K $\Omega$
C 521	178-3322-78	50V 3300PF	C 807	176-3311-00	50V 330PF	R 224	117-1541-10	1/10W 150K $\Omega$
C 522	183-4763-32	16V 47 $\mu$ F	C 808	183-4763-12	6.3V 47 $\mu$ F	R 225	111-1831-91	1/4WSS 18K $\Omega$
C 523	178-1032-78	25V 0.01 $\mu$ F	C 809	178-1042-78	25V 0.1 $\mu$ F	R 226	117-4321-10	1/10W 4.3K $\Omega$
C 524	183-1073-22	10V 100 $\mu$ F	C 810	176-8201-00	50V 82PF	R 227	117-8221-10	1/10W 8.2K $\Omega$
C 525	178-1542-78	25V 0.15 $\mu$ F	C 811	176-4701-00	50V 47PF	R 228	111-1591-91	1/4WSS 1.5 $\Omega$
C 526	178-5632-78	25V 0.056 $\mu$ F	C 814	176-1001-00	50V 10PF	R 229	111-1591-91	1/4WSS 1.5 $\Omega$
C 527	178-5622-78	50V 5600PF	C 901	183-1073-22	10V 100 $\mu$ F	R 230	117-4731-10	1/10W 47K $\Omega$
C 528	183-1073-22	10V 100 $\mu$ F	C 902	163-1063-30	16V 10 $\mu$ F	R 231	111-4701-91	1/4WSS 47 $\Omega$
C 529	178-1542-78	25V 0.15 $\mu$ F	R 101	117-3331-10	1/10W 33K $\Omega$	R 232	111-1221-91	1/4WSS 1.2K $\Omega$
C 530	178-5632-78	25V 0.056 $\mu$ F	R 102	117-1021-10	1/10W 1K $\Omega$	R 233	111-1811-91	1/4WSS 180 $\Omega$
C 531	178-5622-78	50V 5600PF	R 103	117-1831-10	1/10W 18K $\Omega$	R 234	117-2221-10	1/10W 2.2K $\Omega$
C 532	183-1073-22	10V 100 $\mu$ F	R 104	111-3311-91	1/4WSS 330 $\Omega$	R 235	117-1031-10	1/10W 10K $\Omega$

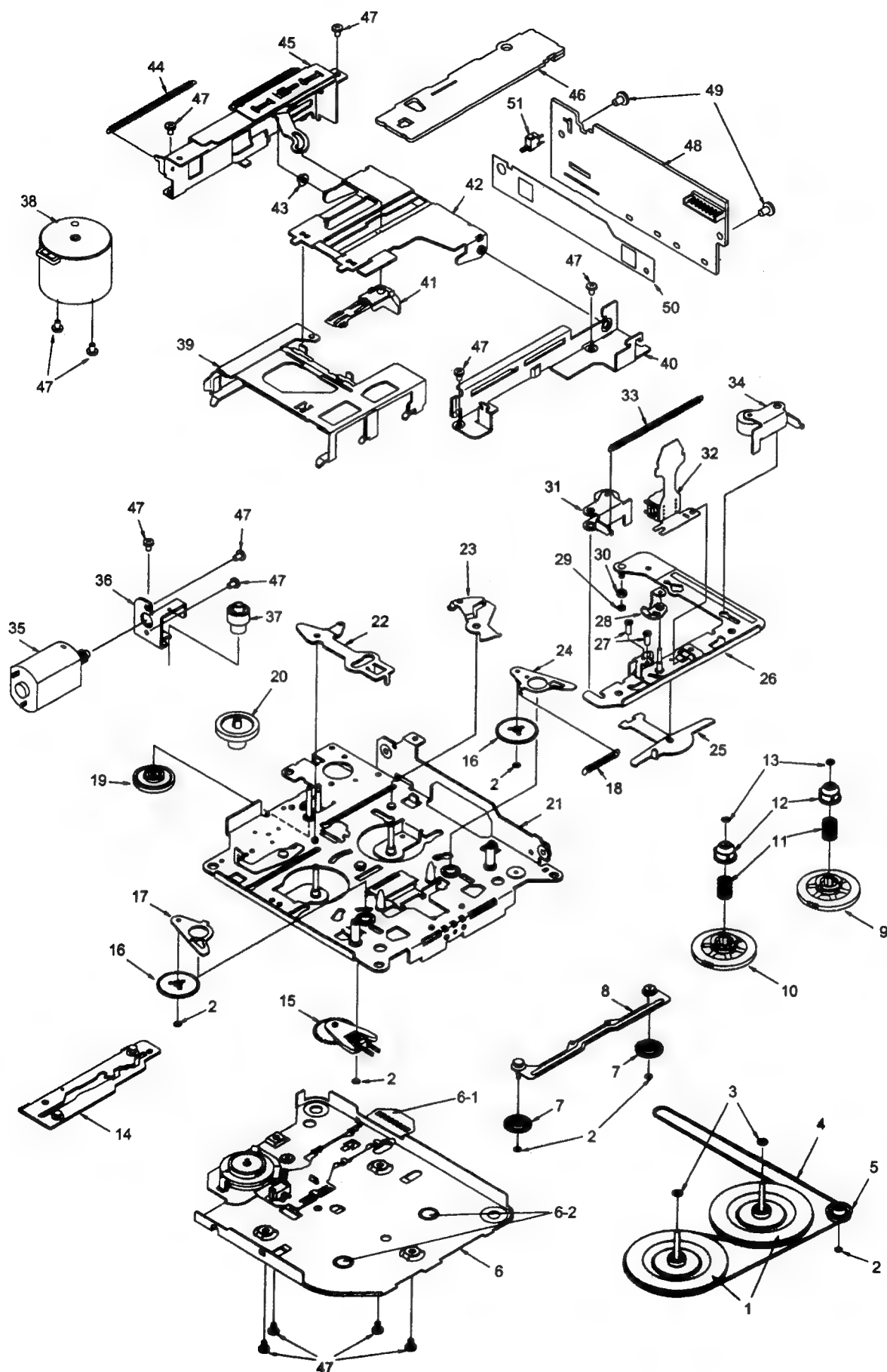
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R 236	117-1031-10	1/10W 10K $\Omega$	R 424	117-1031-10	1/10W 10K $\Omega$	R 528	117-1531-10	1/10W 15K $\Omega$
R 237	117-1041-10	1/10W 100K $\Omega$	R 425	117-1041-10	1/10W 100K $\Omega$	R 529	117-2231-10	1/10W 22K $\Omega$
R 238	117-2221-10	1/10W 2.2K $\Omega$	R 426	117-1041-10	1/10W 100K $\Omega$	R 601	111-6801-91	1/4WSS 68 $\Omega$
R 239	117-4721-10	1/10W 4.7K $\Omega$	R 427	117-1041-10	1/10W 100K $\Omega$	R 602	111-1011-91	1/4WSS 100 $\Omega$
R 240	117-1011-10	1/10W 100 $\Omega$	R 428	117-1041-10	1/10W 100K $\Omega$	R 603	111-1011-91	1/4WSS 100 $\Omega$
R 241	117-1021-10	1/10W 1K $\Omega$	R 429	117-1021-10	1/10W 1K $\Omega$	R 604	117-3321-10	1/10W 3.3K $\Omega$
R 242	117-1021-10	1/10W 1K $\Omega$	R 430	117-1021-10	1/10W 1K $\Omega$	R 605	117-4711-10	1/10W 470 $\Omega$
R 243	117-1021-10	1/10W 1K $\Omega$	R 431	117-1241-10	1/10W 120K $\Omega$	R 606	117-2231-10	1/10W 22K $\Omega$
R 244	117-1021-10	1/10W 1K $\Omega$	R 432	117-4731-10	1/10W 47K $\Omega$	R 607	117-3311-10	1/10W 330 $\Omega$
R 245	117-1041-10	1/10W 100K $\Omega$	R 433	117-4721-10	1/10W 4.7K $\Omega$	R 608	117-1521-10	1/10W 1.5K $\Omega$
R 246	117-1031-10	1/10W 10K $\Omega$	R 434	117-1021-10	1/10W 1K $\Omega$	R 609	117-1031-10	1/10W 10K $\Omega$
R 247	117-1031-10	1/10W 10K $\Omega$	R 435	117-4721-10	1/10W 4.7K $\Omega$	R 610	117-4731-10	1/10W 47K $\Omega$
R 301	117-1231-10	1/10W 12K $\Omega$	R 437	117-8221-10	1/10W 8.2K $\Omega$	R 611	117-2231-10	1/10W 22K $\Omega$
R 302	111-2711-91	1/4WSS 270 $\Omega$	R 440	117-2231-10	1/10W 22K $\Omega$	R 612	117-1031-10	1/10W 10K $\Omega$
R 303	117-2221-10	1/10W 2.2K $\Omega$	R 441	117-1021-10	1/10W 1K $\Omega$	R 613	117-5621-10	1/10W 5.6K $\Omega$
R 304	117-1021-10	1/10W 1K $\Omega$	R 498	117-1031-10	1/10W 10K $\Omega$	R 701	117-4721-10	1/10W 4.7K $\Omega$
R 305	117-1031-10	1/10W 10K $\Omega$	R 499	117-3021-10	1/10W 3K $\Omega$	R 702	117-4721-10	1/10W 4.7K $\Omega$
R 306	117-1031-10	1/10W 10K $\Omega$	R 501	117-1031-10	1/10W 10K $\Omega$	R 703	117-4721-10	1/10W 4.7K $\Omega$
R 307	117-1031-10	1/10W 10K $\Omega$	R 502	117-2031-10	1/10W 20K $\Omega$	R 704	117-4721-10	1/10W 4.7K $\Omega$
R 308	117-1021-10	1/10W 1K $\Omega$	R 503	117-2031-10	1/10W 20K $\Omega$	R 801	117-1031-10	1/10W 10K $\Omega$
R 309	117-1021-10	1/10W 1K $\Omega$	R 504	117-1031-10	1/10W 10K $\Omega$	R 802	117-1231-10	1/10W 12K $\Omega$
R 310	117-1021-10	1/10W 1K $\Omega$	R 505	117-4721-10	1/10W 4.7K $\Omega$	R 803	117-3321-10	1/10W 3.3K $\Omega$
R 401	117-1821-10	1/10W 1.8K $\Omega$	R 506	117-4721-10	1/10W 4.7K $\Omega$	R 804	117-2231-10	1/10W 22K $\Omega$
R 403	117-1231-10	1/10W 12K $\Omega$	R 507	117-2231-10	1/10W 22K $\Omega$	R 805	117-1041-10	1/10W 100K $\Omega$
R 404	117-3021-10	1/10W 3K $\Omega$	R 508	117-2231-10	1/10W 22K $\Omega$	R 806	117-2211-10	1/10W 220 $\Omega$
R 405	117-1821-10	1/10W 1.8K $\Omega$	R 509	117-3321-10	1/10W 3.3K $\Omega$	R 807	117-2221-10	1/10W 2.2K $\Omega$
R 406	117-2231-10	1/10W 22K $\Omega$	R 510	117-3321-10	1/10W 3.3K $\Omega$	R 901	111-2211-91	1/4WSS 220 $\Omega$
R 407	117-2231-10	1/10W 22K $\Omega$	R 511	117-2721-10	1/10W 2.7K $\Omega$	R 902	117-1031-10	1/10W 10K $\Omega$
R 408	117-3311-10	1/10W 330 $\Omega$	R 512	117-4721-10	1/10W 4.7K $\Omega$	R 903	117-1031-10	1/10W 10K $\Omega$
R 409	117-3311-10	1/10W 330 $\Omega$	R 513	117-4721-10	1/10W 4.7K $\Omega$	R 904	117-1031-10	1/10W 10K $\Omega$
R 410	117-1021-10	1/10W 1K $\Omega$	R 514	117-1531-10	1/10W 15K $\Omega$	R 905	117-1031-10	1/10W 10K $\Omega$
R 411	117-1821-10	1/10W 1.8K $\Omega$	R 515	117-2721-10	1/10W 2.7K $\Omega$	R 906	117-1031-10	1/10W 10K $\Omega$
R 412	117-1231-10	1/10W 12K $\Omega$	R 516	117-1041-10	1/10W 100K $\Omega$	R 907	117-2231-10	1/10W 22K $\Omega$
R 413	117-1821-10	1/10W 1.8K $\Omega$	R 517	117-1021-10	1/10W 1K $\Omega$	R 910	111-1221-91	1/4WSS 1.2K $\Omega$
R 414	117-3021-10	1/10W 3K $\Omega$	R 518	117-1021-10	1/10W 1K $\Omega$	R 911	111-1221-91	1/4WSS 1.2K $\Omega$
R 415	117-3021-10	1/10W 3K $\Omega$	R 519	117-1241-10	1/10W 120K $\Omega$	R 912	117-1031-10	1/10W 10K $\Omega$
R 416	117-2231-10	1/10W 22K $\Omega$	R 520	117-3021-10	1/10W 3K $\Omega$	R 913	117-1031-10	1/10W 10K $\Omega$
R 417	117-2231-10	1/10W 22K $\Omega$	R 521	117-3021-10	1/10W 3K $\Omega$	SUP101	060-0122-10	DSP-201M-S00B
R 418	117-3311-10	1/10W 330 $\Omega$	R 522	117-3021-10	1/10W 3K $\Omega$	CN 101	074-1198-68	OUTLET SOCKET
R 419	117-3311-10	1/10W 330 $\Omega$	R 523	117-3021-10	1/10W 3K $\Omega$	CN 102	074-1115-00	OUTLET SOCKET
R 420	117-1021-10	1/10W 1K $\Omega$	R 524	117-5131-10	1/10W 51K $\Omega$	CN 105	074-1194-00	OUTLET SOCKET
R 421	117-4721-10	1/10W 4.7K $\Omega$	R 525	117-5131-10	1/10W 51K $\Omega$	CN 106	074-0986-22	OUTLET SOCKET
R 422	117-4731-10	1/10W 47K $\Omega$	R 526	117-5131-10	1/10W 51K $\Omega$	S 201	013-6100-00	SKHLLB(RESET)
R 423	117-4731-10	1/10W 47K $\Omega$	R 527	117-5131-10	1/10W 51K $\Omega$			

## Switch PWB (B1) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
IC 701	051-6037-00	LC75884W	C 717	042-0416-51	6.3V 10 $\mu$ F (TAN)	R 731	117-1821-10	1/10W 1.8K $\Omega$
D 706	001-0584-23	MA8075	R 701	117-1221-10	1/10W 1.2K $\Omega$	CN 701	076-0535-01	PLUG
D 707	001-0584-23	MA8075	R 702	117-1221-10	1/10W 1.2K $\Omega$	PL 701	001-7030-00	NSPB310A
D 708	001-0584-23	MA8075	R 703	117-1221-10	1/10W 1.2K $\Omega$	PL 702	001-7030-00	NSPB310A
D 709	001-0584-23	MA8075	R 704	117-1221-10	1/10W 1.2K $\Omega$	PL 703	001-7030-00	NSPB310A
D 710	001-0584-23	MA8075	R 705	117-1221-10	1/10W 1.2K $\Omega$	S 701	013-6504-50	LS9J2M-1YG
D 711	001-0584-23	MA8075	R 706	117-1221-10	1/10W 1.2K $\Omega$	S 702	013-6504-50	LS9J2M-1YG
D 712	001-0584-23	MA8075	R 707	117-1221-10	1/10W 1.2K $\Omega$	S 703	013-6504-50	LS9J2M-1YG
D 713	001-0584-23	MA8075	R 708	117-1221-10	1/10W 1.2K $\Omega$	S 704	013-6504-50	LS9J2M-1YG
D 714	001-0584-23	MA8075	R 709	117-1221-10	1/10W 1.2K $\Omega$	S 705	013-6504-50	LS9J2M-1YG
D 715	001-0584-23	MA8075	R 710	117-1221-10	1/10W 1.2K $\Omega$	S 706	013-6504-50	LS9J2M-1YG
D 716	001-0516-00	MA111	R 711	117-1221-10	1/10W 1.2K $\Omega$	S 707	013-6504-50	LS9J2M-1YG
D 717	001-0584-23	MA8075	R 712	117-1221-10	1/10W 1.2K $\Omega$	S 708	013-6504-50	LS9J2M-1YG
D 718	001-0584-23	MA8075	R 714	117-3921-10	1/10W 3.9K $\Omega$	S 709	013-6504-50	LS9J2M-1YG
D 719	001-0584-23	MA8075	R 716	117-1821-10	1/10W 1.8K $\Omega$	S 710	013-6504-50	LS9J2M-1YG
D 720	001-0584-23	MA8075	R 717	117-1821-10	1/10W 1.8K $\Omega$	S 711	013-6504-50	LS9J2M-1YG
D 722	001-0584-23	MA8075	R 718	117-4331-10	1/10W 43K $\Omega$	S 712	013-6504-50	LS9J2M-1YG
D 723	001-0584-23	MA8075	R 719	117-1031-10	1/10W 10K $\Omega$	S 713	013-6504-50	LS9J2M-1YG
D 724	001-0584-23	MA8075	R 720	032-0092-80	1/10W 330 $\Omega$ 1%	S 714	013-6504-50	LS9J2M-1YG
D 725	001-0584-23	MA8075	R 721	032-0092-80	1/10W 330 $\Omega$ 1%	S 715	013-6504-50	LS9J2M-1YG
D 727	001-0516-00	MA111	R 722	032-0092-80	1/10W 330 $\Omega$ 1%	S 716	013-6504-50	LS9J2M-1YG
D 730	001-7040-00	NSCB100(BLUE)	R 723	032-0092-80	1/10W 330 $\Omega$ 1%	S 717	013-6302-50	SKQMAL
D 731	001-7011-02	CL-150YG-CD-T	R 724	032-0092-80	1/10W 330 $\Omega$ 1%	S 718	013-6302-50	SKQMAL
D 732	001-7011-02	CL-150YG-CD-T	R 725	032-0092-80	1/10W 330 $\Omega$ 1%	S 720	013-6504-50	LS9J2M-1YG
C 706	178-4735-06	25V 0.047 $\mu$ F	R 726	117-1011-10	1/10W 100 $\Omega$	S 721	013-6504-50	LS9J2M-1YG
C 707	178-4735-06	25V 0.047 $\mu$ F	R 727	117-1021-10	1/10W 1K $\Omega$	S 722	013-8001-00	JRS000-1401
C 708	178-4735-06	25V 0.047 $\mu$ F	R 728	117-1021-10	1/10W 1K $\Omega$	IR 701	060-4008-00	RS-170
C 709	176-6811-00	50V 680PF	R 729	117-1021-10	1/10W 1K $\Omega$			
C 710	042-0416-51	6.3V 10 $\mu$ F (TAN)	R 730	117-1821-10	1/10W 1.8K $\Omega$			

# ■ EXPLODED VIEW:

Tape mechanism section 930-0798-81



ARX6570Rz

## ■ PARTS LIST:

Tape mechanism section 930-0798-81

Note) Several different parts of the same reference number are alternative parts.  
One of those parts is used in the set.

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	611-0091-03	FLYWHEEL	2	26	960-4261-20	HEAD PLATE ASSY	1
2	746-0724-00	WASHER	6	27	716-0833-10	AZIMUTH SCREW	2
3	746-0624-00	WASHER	2	28	630-2600-01	ADJUST LINK	1
4	602-0118-00	BELT	1	29	746-0762-00	WASHER	1
5	604-0046-00	TENTION PULLEY	1	30	610-0342-01	HADE PLATE ROLLER	1
6	960-4450-00	BOTTOM SUB ASSY	1	31	960-4270-05	ROLLER ASSY R	1
6-1	099-9926-01	BOTTOM FLEX-PWB (WITHOUT COMPONENT)	1	32	011-0328-00	HEAD	1
6-2	746-0767-00	WASHER	2	33	750-2946-02	PINCH SPRING	1
7	613-0286-02	FF/REW GEAR	2	34	960-4269-05	ROLLER ASSY F	1
8	960-4262-03	FF/REW PLATE ASSY	1	35	SMA-131-100	POWER MOTOR ASSY	1
9	960-4430-00	REEL ASSY F	1	36	630-2601-02	MOTOR PLATE	1
10	960-4431-00	REEL ASSY R	1	37	613-0288-01	HELICAL GEAR	1
11	750-2949-00	SLIDE SPRING	2	38	SMA-130-100	MAIN MOTOR ASSY	1
12	631-1993-01	SLIDE BUSH	2	39	606-0093-82	PACK GUIDE	1
13	746-0761-00	WASHER	2	40	630-2626-05	PWB FRAME	1
14	960-4266-20	MODE POLATE ASSY	1	41	631-1992-02	PACK STOPPER	1
15	960-4282-06	DETECT SUB ASSY	1	42	630-2642-01	GUIDE ARM	1
16	613-0662-00	IDLER GEAR	2	43	610-0343-00	GUIDE A ROLLER	1
17	960-4264-03	IDOLER PLATE ASSY R	1	44	750-2947-04	EJECT PLATE SPRING	1
18	750-3017-02	IDLER SPRING	1	45	960-4389-20	EJECT SUB ASSY	1
19	613-0337-00	POWER GEAR	1	46	039-0053-00	SIDE PWB (WITHOUT COMPONENT)	1
20	613-0289-01	GEAR A	1	47	716-0484-00	SCREW	13
21	960-4294-22	DECK PLATE ASSY	1	48	HBS-487-100	REAR PWB ASSY (WITH COMPONENT)	1
22	960-4301-02	PLAY LINK ASSY	1	49	716-0761-01	PWB SCREW	2
23	630-2598-05	EJECT LINK	1	50	347-4080-01	INSULATOR	1
24	960-4263-03	IDOLER PLATE ASSY F	1	51	013-3906-00	SWITCH	1
25	630-2597-01	CHANGE LINK	1				



## ■ ELECTRICAL PARTS LIST:

### Tape mechanism side PWB (B3) section

Note) Several different parts of the same reference number are alternative parts.  
One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C 1	175-3311-00	330pF CH	C 13	183-4743-61	50V 0.47 $\mu$ F	R 7	117-3341-10	1/10W 330K $\Omega$
C 2	175-3311-00	330pF CH	C 14	183-2263-31	16V 22 $\mu$ F	R 8	117-1131-10	1/10W 11K $\Omega$
C 3	175-3311-00	330pF CH	C 15	183-4753-51	35V 4.7 $\mu$ F	R 9	117-1531-10	1/10W 15K $\Omega$
C 4	175-3311-00	330pF CH	C 16	183-4753-51	35V 4.7 $\mu$ F	R 10	117-1531-10	1/10W 15K $\Omega$
C 5	183-4763-11	6.3V 47 $\mu$ F	IC 1	051-1546-10	BA3430S	R 11	117-1131-10	1/10W 11K $\Omega$
C 6	042-0552-02	10V 68 $\mu$ F	J 1	074-0881-08	8P	R 12	117-3341-10	1/10W 330K $\Omega$
C 7	042-0552-02	10V 68 $\mu$ F	R 1	111-1241-91	1/4WS 120K $\Omega$	R 13	117-1811-10	1/10W 180 $\Omega$
C 8	173-1231-10	0.012 $\mu$ F J	R 2	111-1241-91	1/4WS 120K $\Omega$	R 14	117-8211-10	1/10W 820 $\Omega$
C 9	173-1231-10	0.012 $\mu$ F J	R 3	111-1241-91	1/4WS 120K $\Omega$	R 15	116-2231-10	1/8W 22K $\Omega$
C 10	183-4753-51	35V 4.7 $\mu$ F	R 4	111-1241-91	1/4WS 120K $\Omega$	R 16	117-1031-10	1/10W 10K $\Omega$
C 11	183-1043-61	50V 0.1 $\mu$ F	R 5	116-1011-10	1/8W 100 $\Omega$	R 17	117-1031-10	1/10W 10K $\Omega$
C 12	175-5611-00	560pF CH	R 6	116-1011-10	1/8W 100 $\Omega$			

### Tape mechanism Rear PWB (B4) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C 102	178-1042-78	0.1 $\mu$ F	C 113	163-4753-50	35V 4.7 $\mu$ F	R 103	117-2221-10	1/10W 2.2K $\Omega$
C 103	163-4763-30	16V 47 $\mu$ F	C 116	163-4763-30	16V 47 $\mu$ F	R 105	117-1031-10	1/10W 10K $\Omega$
C 107	163-1053-60	50V 1 $\mu$ F	IC 101	051-5202-00	CCCAX1552M	R 106	117-1031-10	1/10W 10K $\Omega$
C 108	163-1053-60	50V 1 $\mu$ F	IC 102	051-1014-05	TA7291F	R 107	116-2711-10	1/8WS 270 $\Omega$
C 109	163-4763-30	16V 47 $\mu$ F	P 101	076-0353-08	8P	S 101	013-3906-00	STMR17
C 110	163-2263-30	16V 22 $\mu$ F	Q 107	125-2004-03	RN1403	VR 101	012-4318-06	10K $\Omega$ VR
C 111	043-0296-50	0.1 $\mu$ F	R 101	117-1831-10	1/10W 18K $\Omega$	VR 102	012-4318-06	10K $\Omega$ VR
C 112	043-0296-50	0.1 $\mu$ F	R 102	117-1031-10	1/10W 10K $\Omega$			

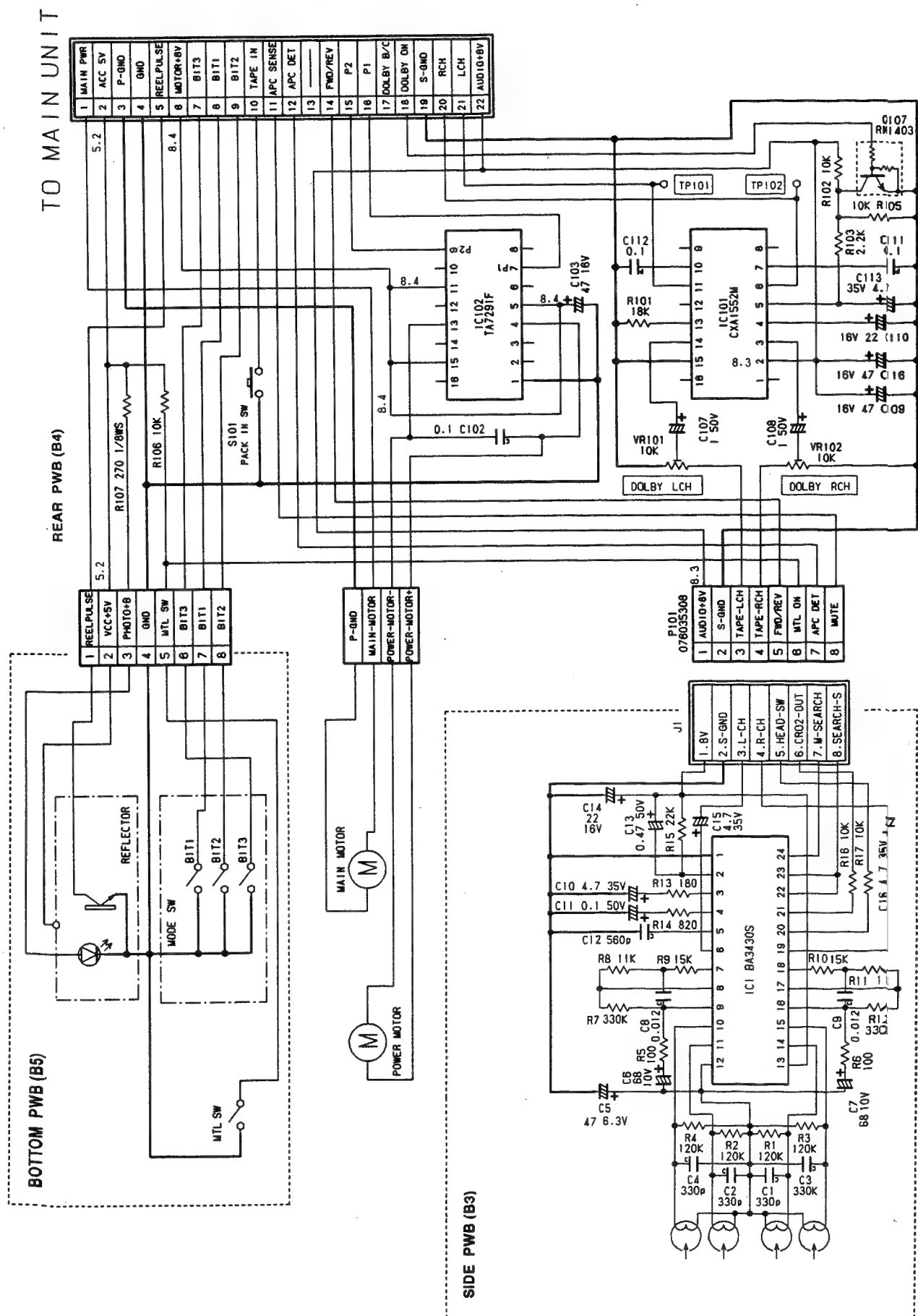
### Tape mechanism Bottom PWB (B5) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
REF301	051-1776-00	NJL5801K-C	SW 301	013-3953-01	SPPB32	SW 302	013-3951-00	HMW0605



■ **CIRCUIT DIAGRAM:**

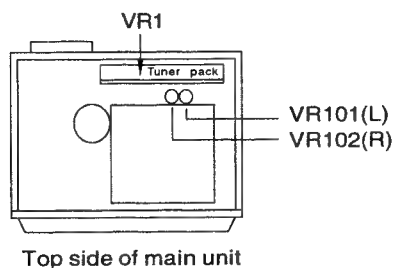
Tape mechanism section 930-0798-81



## ■ ADJUSTMENT

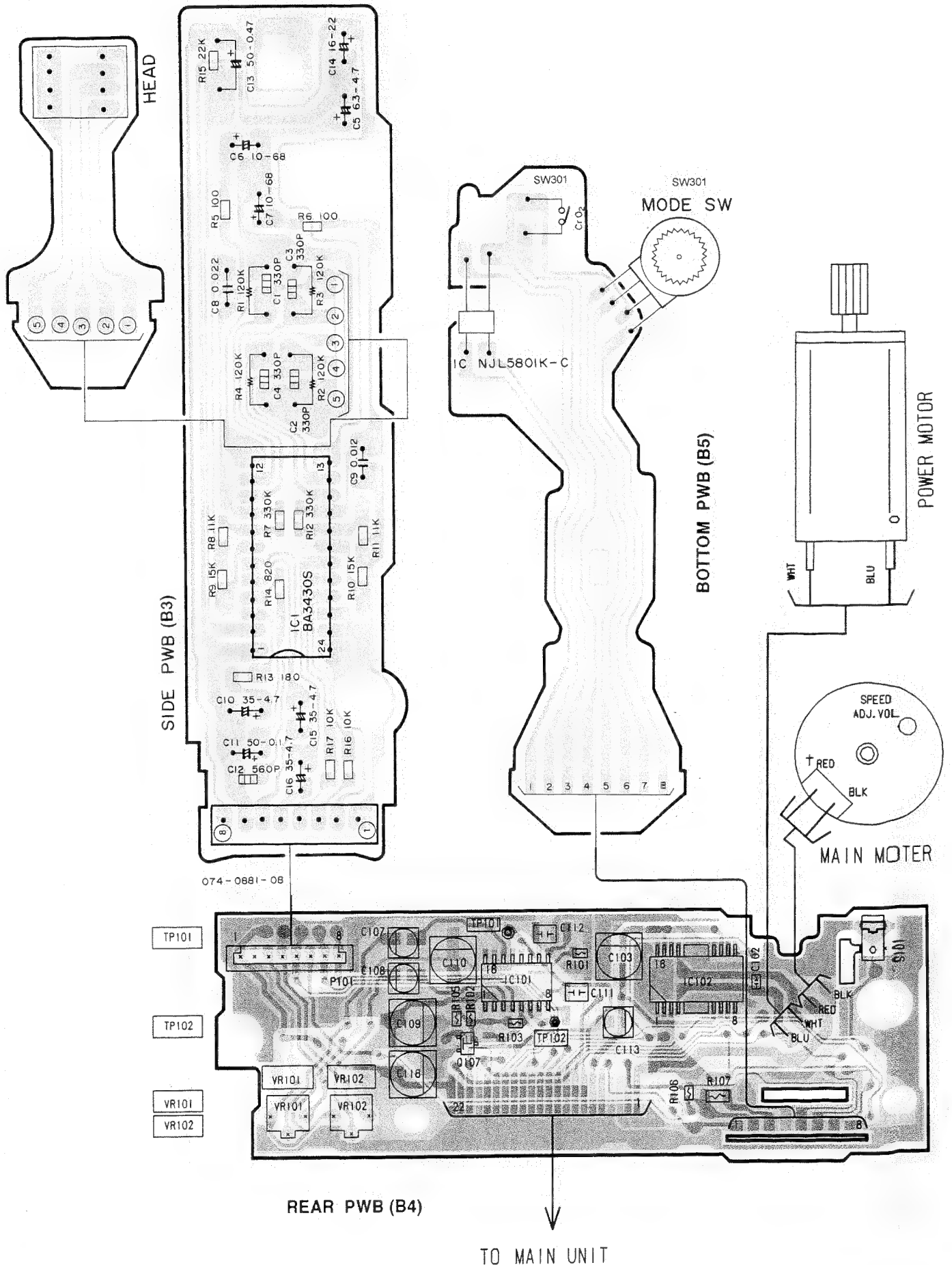
Item	Procedure	Measuring instrument
S-meter	<ol style="list-style-type: none"> <li>1.Input the 98.1MHz/30dB <math>\mu</math> (400Hz-MOD 30%) signal.</li> <li>2.Turn on the power switch. And press the AF button and CH6 button at the same time. (TEST MODE)</li> <li>3.Adjust the reading of LCD indicator to [30---00] (<math>3.0V \pm 0.2V</math>) by VR1.</li> </ol>	SG
Dolby level	<ol style="list-style-type: none"> <li>1.Insert a Dolby level test tape (400Hz-200nWb/m), connect the AC-volt meter to TP101(L)/TP102(R).</li> <li>2.Adjust VR101(L) and VR102(R) to obtain an output of 388mV+1.5/—0.5dB. (Dolby switch:OFF)</li> </ol>	AC-voltmeter Dolby level tape
Azimuth adjustment	<ol style="list-style-type: none"> <li>1.Playback a azimuth test tape (10KHz,—10VU) and turn each azimuth-adjusting screw to make each FOW &amp; REV Maximum.</li> <li>2.After adjustment, make adhesion with bond.</li> </ol>	Azimuth test tape Milli-volt meter
Tape speed	<ol style="list-style-type: none"> <li>1.Playback a Wow &amp; flutter test tape (3KHz,—10VU) and connect the frequency counter to TP101 (L) or TP102 (R).</li> <li>2.Adjust Speed VR of the motor to obtain an output of TP101 (L), TP102 (R) is 3000Hz <math>\pm</math> 45Hz.</li> </ol>	Wow & flutter test tape Frequency counter

### Adjustment point

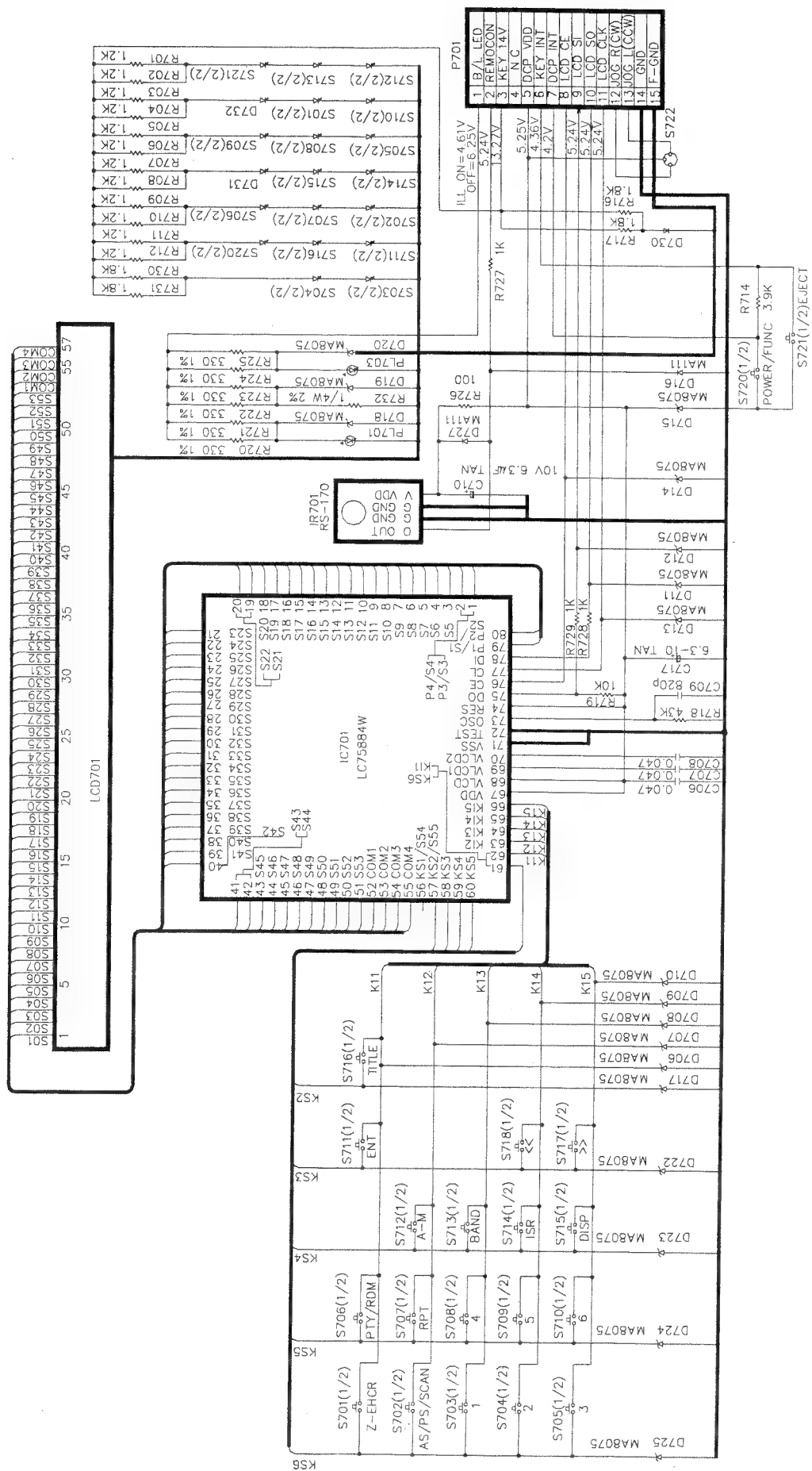


# ■ PRINTED WIRING BOARD:

Tape mechanism section 930-0798-81

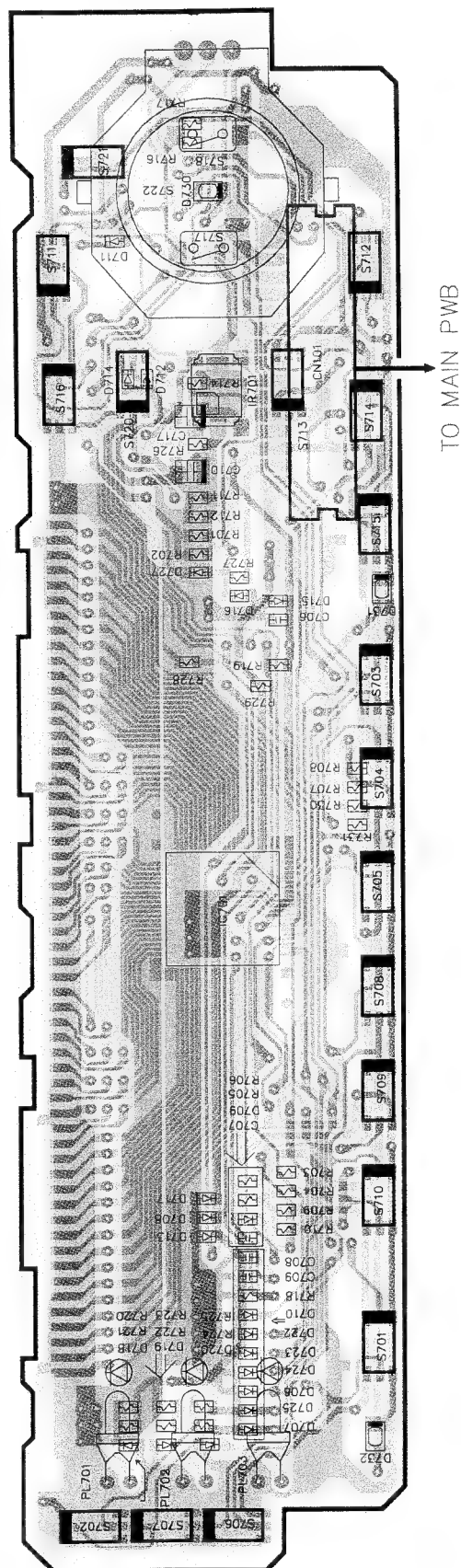


■ CIRCUIT DIAGRAM:  
Switch PWB (B1) section



# ■ PRINTED WIRING BOARD:

Switch PWB (B1) section

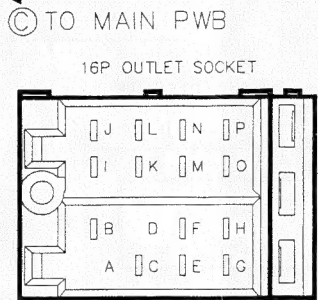
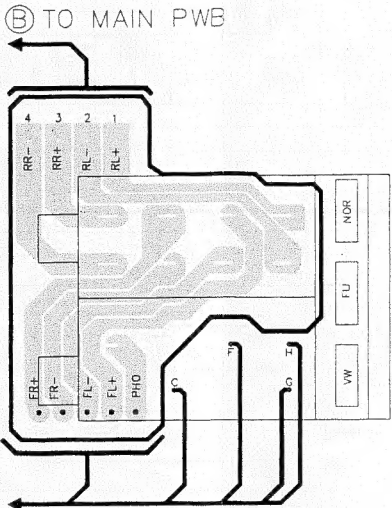
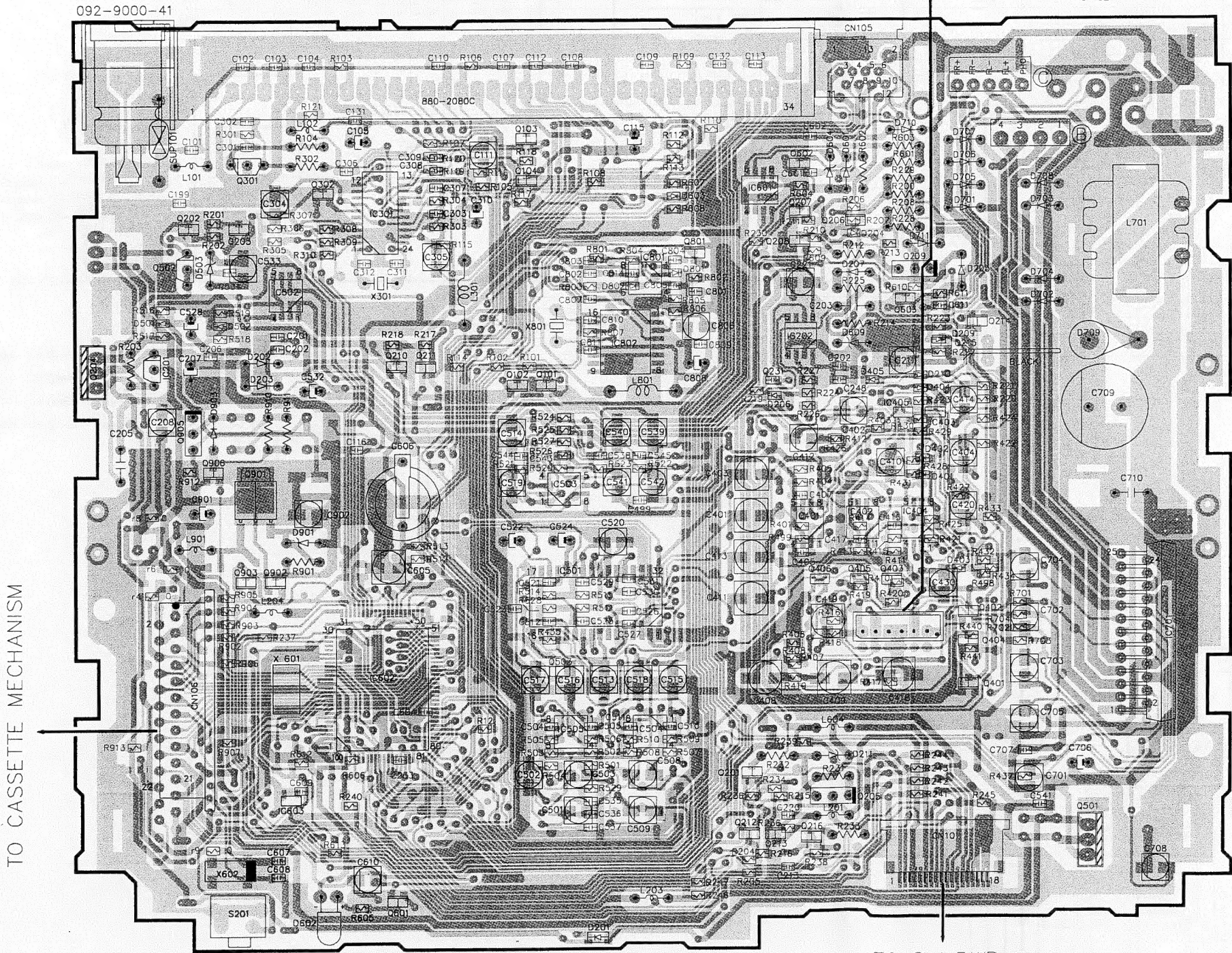
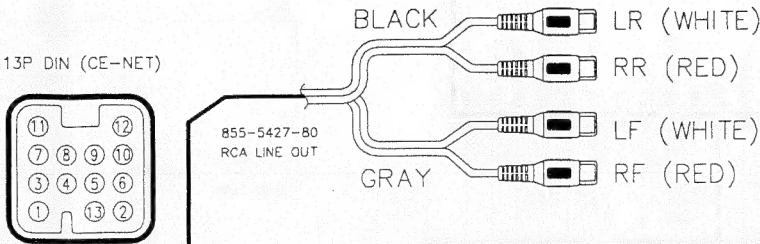




■ PRINTED WIRING BOARD:

Main PWB (B2) section

CE-NET LINE		CE-NET LINE	
CASE	GND(SHIELD)	13	
6	BUS(+)	12	ILLUMI
5	NAV(+)	11	L-CH(-)
4	NAV(-)	10	BUS(-)
3	L-CH(+)	9	SYS-ACC
2	BACK UP 14V	8	R-CH(-)
1	GND	7	R-CH(+)
PIN NO.	NOTE	PIN NO.	NOTE

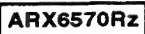


CONNECTOR	
PIN NO.	DESCRIPTION
A	
B	PHONE MUTE
C	BACK UP
D	
E	ILLUMI
F	AUTO ANT
G	GND
H	ACC
I	SP-RR ⊖
J	SP-RR ⊕
K	SP-FR ⊖
L	SP-FR ⊕
M	SP-FL ⊖
N	SP-FL ⊕
O	SP-RL ⊖
P	SP-RL ⊕

TO CASSETTE MECHANISM

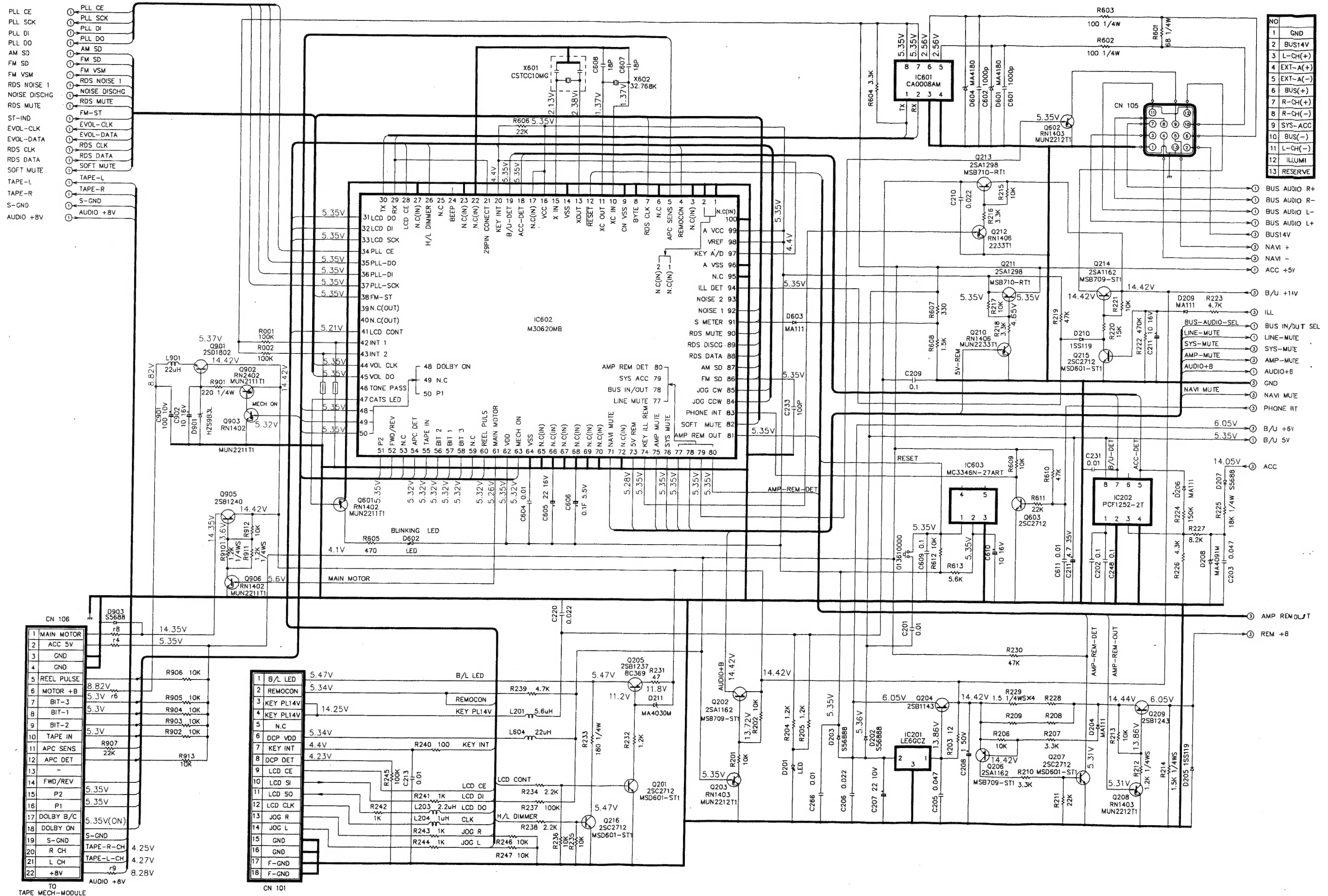
TO SW PWB

## Main PWB (B2) section (1/3)





# Main PWB (B2) section (2/3)





Main PWB (B2) section (3/3)

